ABSTRACT OF THE INVENTION

The method for transmitting frames in WLAN of the present invention first allocates a first queue for storing frames to be transmitted in the DCF mode, and a second queue for storing frames to be transmitted in the PCF mode. An incoming frame will be classified and stored in a corresponding queue according to the classification of the incoming frame. In the DCF mode, the DCF frames stored in the first queue are transmitted. After a delivery traffic information message (DTIM) period, the transmission of the frames switches to the PCF mode and begins the transmission of the PCF frames in the second queue. In addition, the present invention can allocate a third queue for storing management frames and a fourth queue for storing multicast frames and broadcast frames. The priority for transmitting frames, from highest to lowest, is the fourth queue, the third queue, the second queue and the first queue.